



Solve each problem.

- 1) Write your answer as a mixed number (if possible).

$$5 \frac{2}{3} - \frac{7}{2} =$$

- 3) Fill in the missing number.

In	9	3		5	4
Out	63	21	14	35	28

5)  $9 + 10^2 - 10 + (7 + 7)$

- 2) Reduce the ratio to it's lowest form.

$$24 : 56 = \underline{\hspace{2cm}}$$

4)  $(2 \times 4 - 7 + 3^3) - 3$

- 6) Which option shows the fractions ordered least to greatest?

A.  $\frac{6}{8} < \frac{6}{10} < \frac{6}{15}$

B.  $\frac{6}{15} < \frac{6}{10} < \frac{6}{8}$

C.  $\frac{6}{8} < \frac{6}{15} < \frac{6}{10}$

D.  $\frac{6}{15} < \frac{6}{8} < \frac{6}{10}$

- 7) Solve the problem.

$$4^2$$

- 8) Write in exponential notation.

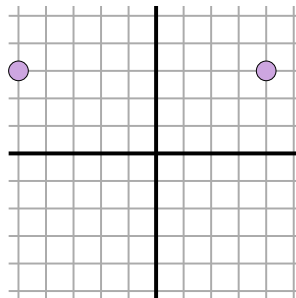
$$5 \times 5 \times 5 \times 5$$

- 9) 72 pints of juice in 4 containers

Ratio = \_\_\_\_\_

Rate = \_\_\_\_\_ pints per container

- 10) Find the distance between points.



- 11) What is 150% of 30?

- 12) What is 25% of 136?

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. **Label**

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

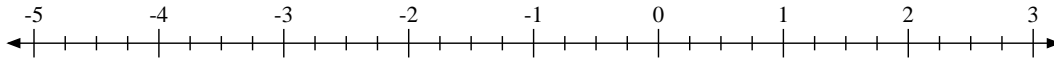
20. \_\_\_\_\_



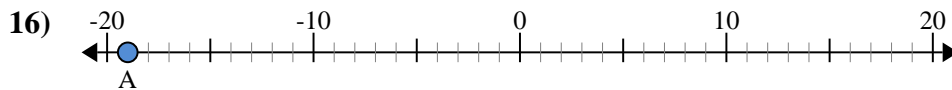
Solve each problem.

13) What number is the opposite of -42?

14) Mark the location of  $-2\frac{1}{4}$



15) A recipe called for using  $9\frac{1}{2}$  cups of flour before baking and another  $7\frac{1}{10}$  cups after baking. What is the total amount of flour needed in the recipe? Write your answer as an improper fraction.



a. What is the value of 'A'?

b. How far is 'A' from 0 (absolute value)?

17) A warehouse placed 7 equal weight boxes on a scale. Total they weighed 4 pounds. Each box weighed \_\_\_\_ of a pound.

18) At a candy store you could get 4 giant lollipops for \$8.84. How much would it cost to buy 6 lollipops?

19) During a class election 56 students voted for candidate A. If the ratio of votes for candidate A to the votes for candidate B was 8 : 3, how many votes did candidate B receive?

20) Every gallon is 4 quarts. This can be expressed using the equation  $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 8 gallons.



Solve each problem.

- 1) Write your answer as a mixed number (if possible).

$$5 \frac{2}{3} - \frac{7}{2} =$$

- 3) Fill in the missing number.

In	9	3	2	5	4
Out	63	21	14	35	28

Rule: Mult 7

- 5)
- $9+10^2-10+(7+7)$

$$9+10^2-10+14$$

$$9+100-10+14$$

$$109-10+14$$

$$99+14$$

$$113$$

- 7) Solve the problem.

$$4^2$$

- 9) 72 pints of juice in 4 containers

$$\text{Ratio} = \frac{72:4}{}$$

$$\text{Rate} = \frac{18}{\text{pints per container}}$$

- 11) What is 150% of 30?

- 2) Reduce the ratio to it's lowest form.

$$24 : 56 = \frac{3:7}{}$$

- 4)
- $(2 \times 4 - 7 + 3^3) - 3$

$$(2 \times 4 - 7 + 27) - 3$$

$$(8 - 7 + 27) - 3$$

$$(1 + 27) - 3$$

$$28 - 3$$

$$25$$

- 6) Which option shows the fractions ordered least to greatest?

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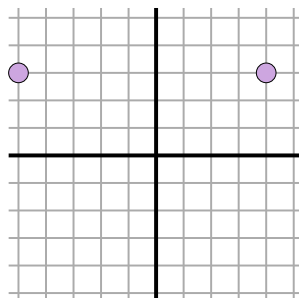
$$\text{C. } \frac{6}{8} < \frac{6}{15} < \frac{6}{10}$$

$$\text{D. } \frac{6}{15} < \frac{6}{8} < \frac{6}{10}$$

- 8) Write in exponential notation.

$$5 \times 5 \times 5 \times 5$$

- 10) Find the distance between points.



$$\sqrt{(-5-4)^2 + (3-3)^2}$$

$$\sqrt{(81) + (0)}$$

- 12) What is 25% of 136?

**Answers**

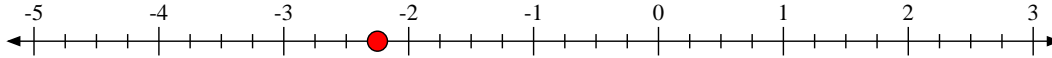
1.  $2 \frac{1}{6}$  5nf1
2.  $3:7$  6rp3c
3.  $2$  6rp3a
4.  $25$
5.  $113$
6.  $B$  3nf3d
7.  $16$  6ee1
8.  $5^4$  6ee1
9.  $72:4$   $18$  6rp3b
10.  $9$  6ns8
11.  $45$  6rp3c
12.  $34$  6rp3c
13.  $42$  6ns6a
14. **Label** 6ns6c
15.  $\frac{166}{10}$  5nf2
16.  $-19$   $19$  6ns7c
17.  $\frac{4}{7}$  6rp2
18.  $\$13.26$  6rp3b
19.  $21$  6rp3c
20.  $32$  6rp3d



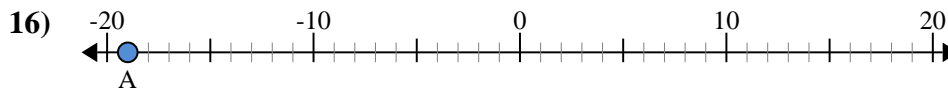
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